

Amendment to the Specification:

Please replace the paragraph beginning on page 5, line 21 and ending on page 6, line 3, with the following rewritten paragraph:

As illustrated in FIG. 1, a system 1 for controllably infusing carbon dioxide contrast medium into a patient's vasculature comprises a flexible reservoir bag 11, a one-way reservoir bag stopcock 12, a delivery syringe 13, a dual check valve 14, an in-line check valve 15, a distal one-way stopcock 16, a purge syringe 17, a connecting tube 22, and a patient stopcock 23. This system 1 will remove the high-pressure CO₂ cylinder from the vicinity of the patient and maintain a closed system that reduce or eliminate the chance introduction of air into the patient's vasculature.